Release Notes for QXFXS24 6.2.1, Edition 1

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1   Introduction

This Release Notes describes hardware and firmware requirements to use with the

QXFXS24 firmware 6.2.1 Date: December 11, 2017

Additional enhancements, bug fixes and known issues incorporated in this firmware will be listed as known.

Date: December 11, 2017

2   Requirements

2.1   Hardware Requirements

- The firmware (FW) can be used on QXFXS24 models only.
- The model name is written on the front plate of the unit; the unit number is on the bottom label.

2.2   Firmware Requirements

Attention: The firmware upgrade to 6.2.1 can ONLY be done from 6.0.2 and higher versions.

2.3   Interaction with Other Epygi Software Releases

To achieve maximum compatibility with QXFXS24 FW 6.2.1, use the latest SW and FW versions for other Epygi products.

- When QXFXS24 configured as an FXS expansion device with Epygi QX IP PBXs, such as the QX20, QX50, QX200, QX500, QX2000, QX3000, QXISDN4+ or ecQX, the PBXs should run 6.2.1 or higher FW version.
- QX-Quadro Configuration Console (QCC) SW 2.3 or higher should be used with QXFXS24 FW 6.2.1.
- Bulk User Extensions Importer version 1.1 or higher should be used.

3   New Features

The table below indicates a high-level list of new features that have been added beginning with the most recent QXFXS24 FW release.

Release	New Features
6.2.1	Added **Bulk Import** support allowing to create and update the settings for multiple **user** type extensions.
	Added support to automatically archive **Call History**.
	Added the **SSH FTP** (**SFTP**) support, which allows to send the configuration backup files to an FTP server using the secure FTP connection.
	The **Client Code Identification** option can be activated and used by other billing systems as well as it is done for RADIUS server.
	Added support allowing to **Restrict Simultaneous Calls** for "SIP" call types.
	Added support for the **SIP Registration Transport** UDP/TCP/TLS options in the Extension's **SIP Registration**.
	General improvements and enhancements in the **SIP TLS certificate**.
	GUI improvements and enhancements in the **Extensions Management** page.
	GUI enhancements on the **Menu** bar: • Added device's current Date/Time. • Added device's hostname.
6.1.40	Added support for **Hot Line** service on the analog phones attached to QXFXS24.
6.1.20	Added support allowing the QXFXS24 to act as an **OpenVPN** client.
	The GUI is enhanced to allow quicker access to the extension's **Admin** and **User** settings.
	Added support for the **SIP Registration Transport** UDP/TCP/TLS options in the Extension's **SIP Registration**.
6.1.17	Added a new **Search** option in the QXFXS24 **Online Help**.

Release	New Features
6.1.10	
6.1.6	
6.1.5	VLAN support has been added for QXFXS24 GW.
6.0.13	
6.0.9	
6.0.8	
6.0.2	

4 Changed Features

The table below provides a high-level list of changed features that have been changed beginning with the most recent QXFXS24 FW release.

Release	Changed Features
6.2.1	Added support to exclude/include different **CDR parameters** in generated CDR reports for the Call History.
	Added support to display **SRTP** parameters in the Call History.
	Added support for the following symbols "<", ">" in the password field for **E-mail Settings**.
	The backup configuration filename format has been updated and will include the installed firmware version of the QX: **config_[Hostname]_[Firmware Version]_[Date/Time].bin**
	The timezone database has been updated on QX Gateways: • The current local time has been corrected for Israel, Venezuela, Shri Lanka, Apia, Samoa and Fiji. • Added new timezone Nukualofa, Tonga (GMT+14).
	New **Date/Time** pickers have been implemented for all applicable GUI pages, allowing to select or define the date/time options easier and conveniently.
	The **Network Capture** page has been moved to **Maintenance→Diagnostics→ Network Capture** page.
	GUI Enhancements for **Call Routing Table**.
	Added support to allow/deny access to the **Diagnostics** and **Reboot** pages for QX localadmin.
6.1.40	
6.1.20	The **General Operation Mode** has been updated. Added the "**Manual mode**" option allowing to configure the QXFXS24 automatically to the specified QX IP PBX and use it as the FXS expansion device.
	Added **MO=1** parameter in the **SMS Settings**.
	Added support for the following symbols "<", ">" in the password field for **E-mail Settings**.
	Added support to download extension's **Call History** for Successful, Missed and Unsuccessful Outgoing calls.
	Added support to exclude/include different **CDR parameters** in generated CDR reports for the **Call History**.
	Added support to display **SRTP** parameters in the **Call History**.
	Added support to allow/deny access to the **Diagnostics** and **Reboot** pages for QX localadmin.
6.1.17	The maximum **Number of Call Records To Download** is increased to **10000** in the **Status→Call History→Automatic Backup**.

Release	Changed Features
	The maximum length of **Connection Name** field for **PPTP** and **L2TP** has been increased up to **64** symbols. Support for the following symbols "@", "-", ".", "_" is added.
6.1.10	Added support in **Extensions Multiple Editing** for the following fields: **Password** and **Confirm password** from General Settings page and **Authentication User Name** from SIP Advanced settings.
	The old password will not be required when change the **Phone Access Password** for Administrator.
	The **LAN IP Address** of the backup configuration displayed in the shell window, while restoring previously backed up configuration file.
	Loadlogo.cgi hidden page (for updating company details) has been renamed (changed) to **uploadlogo.cgi**
6.1.6	
6.1.5	**External Dial Tone** isn't generated to caller while dialing **9** from analog phones connected to QXFXS24 GW.
6.0.13	
6.0.9	
6.0.8	
6.0.2	

5 Fixed Issues

Issues fixed since version 6.1.40:

T: Title
D: Description

20021	T:	TCP socket of SMTP session is being closed by QX before the system receives confirmation from SMTP server about received email
	D:	
20012	T:	Unable to load the Call Routing table if there are some not allowed symbols included in the Routing Patterns
	D:	
19931	T:	The selected Tracing / Debug options aren't disabled, when you check off the "Tracing / Debug Options" from the Destination Call Type section
	D:	
19921	T:	The expiration/renewal isn't calculated correctly for the "Overall Call Duration Limit" service
	D:	
19917	T:	The codec information isn't shown correctly in the Call History – RTP Statistics page for calls with G726 codec
	D:	
19814	T:	The "Username" and "Password" fields are automatically filled by default values (admin, 19) in the "Routing Call Settings - Edit Entry" section of the Call Routing Wizard
	D:	

19741	T:	The "Overall calling time renewal" for the call routing rule may be discarded because of time change on QXFXS24
	D:	
19726	T:	WEB GUI pages are loaded slowly in case of using HTTPS connection
	D:	
19567	T:	The DHCP Server will not start and work properly if MAC address is changed on QX's WAN interface
	D:	
19533	T:	Call Detail Records (in csv format) are missing the column headers when the file is archived and sent via e-mail or stored to FTP Server
	D:	
19397	T:	Incorrect ESMTP command sequence after establishing TLS negotiation
	D:	Incorrect ESMTP command sequence after establishing TLS negotiation and as a result some e-mail servers are dropping e-mail transaction.
18638	T:	When opening the Call History, sometimes it doesn't show CDR records but shows an empty page
	D:	Only after refreshing the page it shows the CDRs.
18758	T:	"STUN service" doesn't work when firewall level is set to "High"
	D:	
18755	T:	"SNMP Trap" for "Management Access" filtering rule doesn't work when the firewall level is set to "High"
	D:	
18726	T:	An issue with accessing to QX from LAN side with VLAN configured
	D:	If you add VLAN interface on LAN side and the Firewall level is set to **Medium**, you wouldn't have access to device from LAN side (through VLAN interface) until you enable/disable the Firewall.
18397	T:	When you change the Date/Time on the QX, the WEB GUI session will be automatically terminated and you will be logged out.
	D:	

6 Known Issues

T: Title
D: Description
C: Consequences
Fix: How to avoid the situation, or what to do in case the situation has occurred

15847	T:	When using feature codes starting with * (*0, *1 and other) on analog phones attached to QXFXS24, user will need to press the pound sign (#) to accelerate the connection or wait for the dial timeout
	D:	The dial timeout is configurable, four seconds by default.
	C:	No consequences.
	Fix:	Will be fixed in future release.
	T:	New voice mail ringing indication does not work for the analog phones attached to QXFXS24
	D:	
	C:	No consequences.
	Fix:	Workaround: Use tone or lamp indication instead. Will be fixed in future release.

7 General Hints

7.1 Technical Advisory

Some system information (**Call History** and **Pending Events**) may be lost when QXFXS24 is powered down. You may maximum lose the portion of the above-mentioned system information, which occurred during last hour before the QX is powered down. It's recommended to enable **Call History – Archiving** to minimize the loss of Call History.

7.2 Firmware Update

It is recommended to execute the update by downloading the firmware first to a PC located in the LAN side of the QXFXS24 and perform the firmware update from the LAN side. This is to ensure that the Internet connection will not affect the upgrade process.

Attention: It is recommended to back up the configuration for **emergency purposes** prior to upgrading the firmware. You can do that from **Maintenance→Backup/Restore→Backup and download current Configuration** page. The current configuration will remain after the firmware update. Moreover, all custom messages and call history will be saved during the upgrade.

To perform the manual firmware update:

1. Go to the **Maintenance→Firmware→Manual Firmware Update** page.
2. Click the **Download Configuration** link to back up the current configuration, if needed.
3. Click **Choose File** button to browse for **image.bin** file.
4. Click **Save** to start uploading the file.
5. Click **Yes** to proceed the firmware upgrade.

Note: The update process takes about **5** minutes. Normal operation will be stopped during that time.

7.3 Limitations and Restrictions

- The **Network Capture** size is limited to **24** MB. This will put a limitation on the duration of captured file.
- The **Call Capture** duration is limited to **160** seconds.
- The capture duration is limited to **160** seconds in **DSP Capture** hidden page.